



Issue 69 July 18th, 2015

## Top links

### Receiving New Horizons' signal from Pluto

The 12-15 watt transmission is not a tight beam. As it travels through space, the radio waves spread out, becoming thinner and more diffuse.

[CSIRO](#)

### Hamvention attendance up slightly in 2015

The official attendance at the 2015 Dayton Hamvention was 25,621. That's an increase from the official count of 24,873 visitors last year.

[ARRL](#)

### Q codes quiz

How well do you know your Q codes?

[amateurradio.com](#)

### Fldigi adds FSQ mode

The FSQ implementation in Fldigi supports the directed, undirected and image modes of FSQ.

[Mac Ham Radio](#)

### FSQ mode documentation

FSQ, Fast Simple QSO, is an Incremental-Frequency-Keyed mode using an offset differential modulation scheme similar to DominoEX, and Thor.

[W1HKJ](#)

### More ISS SSTV July 18-19 on 145.800 MHz FM

ARISS SSTV images will be transmitted this weekend to commemorate the 40th Anniversary of the Apollo-Soyuz Mission.

[AMSAT UK](#)

### Solar Cycle 25 and beyond

The one bright light is the likelihood of amazingly good low band (160, 80, 40m) conditions for many, many winters.

[VF7SI](#)

## [W4HH's solar/battery setup](#)

After calculating the Amp-hour load of my low-power radios, I decided to purchase a 12 Amp-hour battery and a solar panel that would put out enough current to charge that battery.

[W4HH](#)

## [Improving on FreeDV 700](#)

Speech coding is the art of "what can I throw away." Speech codecs remove a bunch of redundant information. As much as they can.

[ROWETEL](#)

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## **How to**

### [Working FO-29 semi-duplex](#)

Going by the golden rule of manually tuning for Doppler on satellites, which is always tune the higher frequency, FO-29 can be worked with a semi duplex all mode radio.

[AC0RA](#)

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## **Video**

### [Introduction to DMR \(Digital Mobile Radio\)](#)

Digital Mobile Radio (aka MotoTRBO) - a digital voice mode for VHF/UHF that is becoming more and more popular in Amateur Radio.

[HamRadioNow](#)

[Amateur Radio Weekly](#) is curated by [KK4HSX](#).

[View the archive](#).

Thank you for reading. 73

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